## PATENT COOPERATION TREATY

# **PCT**

#### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference OSU 0010 PB	ACTION  Report (Form PCT/ISA/220) as item 5 below.  International filing date (day/month/year) (Earliest) Priority						
International application No. PCT/US03/32616			(Earliest) Priority Date (day/month/year) 15 October 2002 (15.10.2002)				
Applicant THE OHIO STATE UNIVERSITY							
This international search report has bee according to Article 18. A copy is being			uthority and is transmitted to the applican				
This international search report consists	of a total of sheets.						
It is also accompanie	d by a copy of each prior art docu	ment cited	in this report.				
	the international search was carried l, unless otherwise indicated under t		basis of the international application in the				
Authority (Rule 23.1(b)).	e and/or amino acid sequence disc		international application furnished to this international application, the international				
contained in the internation	al application in written form.						
filed together with the inter	filed together with the international application in computer readable form.						
furnished subsequently to the	furnished subsequently to this Authority in written form.						
furnished subsequently to the	his Authority in computer readable t	form.					
	quently furnished written sequence		not go beyond the disclosure in the				
the statement that the information been furnished.	nation recorded in computer readab	le form is i	dentical to the written sequence listing has				
Certain claims were found	l unsearchable (See Box I).						
Unity of invention is lacking.  With regard to the title,	ng (See Box II).						
the text is approved as subn	nitted by the applicant.						
the text has been established	d by this Authority to read as follow	s:					
With regard to the abstract,							
the text is approved as subn	the text is approved as submitted by the applicant.						
		-	as it appears in Box III. The applicant ma ort, submit comments to this Authority.				
The figure of the drawings to be pu	blished with the abstract is Figure N	ło. <u>7</u>					
as suggested by the applicat	nt.		None of the figures				
because the applicant failed	to suggest a figure.						
because this figure better ch	naracterizes the invention.						

Form PCT/ISA/210 (first sheet) (July 1998)

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/32616

EW ABSTRACT					
The present invention discloses a corneal refractive procedure providing a customized transition zone. The customized transition zone provided according to the methods (900) and systems (1000) of the present invention exhibit continuous curvature between an ablated optical zone and a non-ablated zone to address curvature discontinuity at the edge of the optical zone, thereby minimizing the biomechanical response and its post-operative effects on vision.					
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Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/32616

IPC(7) US CL According to	SSIFICATION OF SUBJECT MATTER  : A61B 18/18  : 606/005  International Patent Classification (IPC) or to both na  DS SEARCHED	ntional classification and IPC		
	cumentation searched (classification system followed l	by classification symbols)		
Documentation	on searched other than minimum documentation to the	extent that such documents are included i	n the fields searched	
Electronic da	ta base consulted during the international search (nam	e of data base and, where practicable, sea	rch terms used)	
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.	
Y,P	US 6,547,393 B2 (Ruiz) 15 April 2003, see the entir	re document.	1-20	
Y,P	US 6,530,917 B1 (Seiler et al.) 11 March 2003, see	1-20		
Y	US 6,331,177 B1 (Munnerlyn et al.) 18 December 2	1-20		
Y	US 6,302,877 B1 (Ruiz) 16 October 2001, see the e	. 1-20		
	·			
Further	documents are listed in the continuation of Box C.	See patent family annex.		
"A" document	pecial categories of cited documents:  defining the general state of the art which is not considered to be lar relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered.	claimed invention cannot be red to involve an inventive step	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		<ul> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination</li> </ul>		
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in th		
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family		
Date of the ac	ctual completion of the international search	Date of mailing of the international sear	ch report	
	04 (21.03.2004)			
	ailing address of the ISA/US  1 Stop PCT, Atm: ISA/US	Authorized officer		
Con P.O	nmissioner for Patents . Box 1450	Ahmed M Farah Telephone No. (703)305-3590		
	xandria, Virginia 22313-1450			

Form PCT/ISA/210 (second sheet) (July 1998)

#### NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the *PCT Applicant's Guide*, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

#### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

#### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.